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Standards Selection

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The following cross-curricular activity is to be used between 7th grade math and science teachers. The following standards have been selected:

1. Two (2) standards from the Pennsylvania Academic Standards for Mathematics:

**Standard Strand:** 2.3: Measurement and Estimation

**Standard Statement:** 2.3.7.A: Demonstrate an understanding of measurable attributes and the units, systems, and processes of measurement.

* Apply appropriate techniques, tools and formulas to determine measurements.
* Develop, use and/or describe strategies to find the measure of length, perimeter, circumference, area or volume.
* Construct, interpret and/or use scale drawings to solve real-world problems.

**Standard Strand:** 2.2: Computation and Estimation

**Standard Statement:** 2.2.7.D: Estimate solutions of problems involving calculations with basic operations of whole numbers, decimals, fractions, or mixed numbers and check the reasonableness of those estimates.

* Apply estimation strategies to a variety of problems
* Compute accurately with and without use of a calculator

1. Cross-Curricular Standard: One (1) standards from the Pennsylvania Academic Standards for Science and Technology and Engineering Education:

**Standard Strand:** 3.2: Physical Science: Chemistry and Physics

**Standard Statement:** 3.2.7.B7: Develop descriptions, explanations, and models using evidence and understand that these emphasize evidence have logically consistent arguments, and are based on scientific principles, models, and theories.

* Explain the principles of force and motion